BRUHAT BANGALORE MAHANAGARA PALIKE YELAHANKA ZONE

Project: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05)

Modified Schedule-B

Sl. No	Description of Item	Unit	Quantity	Rate in Rs.	
				In Figures	In Words
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 (PWD SR 2021-22 Vol III Pg no 8 Item No 2.7(i))	Cum	0.00	819.97	Rupees Eight Hundred Nineteen And Paise Ninety Seven Only
2	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel (V-III Page No.10, Item No.2.19 of PWD SR 2021-22)	Cum	49.35	473.25	Rupees Four Hundred Seventy Three And Paise Twenty Five Only
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22	Cum	9886.33	341.00	Rupees Three Hundred Forty One Only
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)	Cum	1934.50	6452.10	Rupees Six Thousand Four Hundred Fifty Two And Paise Ten Only
	Above 125%	Cum	87.84	6452.10	Rupees Six Thousand Four Hundred Fifty Two And Paise Ten Only
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)	Cum	2442.42	7368.31	Rupees Seven Thousand Three Hundred Sixty Eight And Paise Thirty One Only
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)	Ton	145.14	115906.72	Rupees One Lakh(s) Fifteen Thousand Nine Hundred Six And Paise Seventy Two Only
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70 mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work (Data Rate)	Sqm	6281.68	2112.92	Rupees Two Thousand One Hundred Twelve And Paise Ninety Two Only
	Above 125%	Sqm	54.94	2112.92	Rupees Two Thousand One Hundred Twelve And Paise Ninety Two Only

8	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Sqm	417.59	853.53	Rupees Eight Hundred Fifty Three And Paise Fifty Three Only
9	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) inclusive of all Taxes complete. as directed by the Engineer in Charge of the work (excluding Area Leading Charges)	M	516.20	397.70	Rupees Three Hundred Ninety Seven And Paise Seventy Only
10	Providing and Fixing pre cast covering Slab made out of CC M20 with 150cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	0.00	2612.60	Rupees Two Thousand Six Hundred Twelve And Paise Sixty Only
11	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (SR, 2021-22 Vol-2, SI No 5.4, , P No: 09)	Cum	129.45	6081.90	Rupees Six Thousand Eighty One And Paise Ninety Only
12	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. (SR, 2021-22 Vol-2, SI No 8.19.1, , P No: 44)	Cum	101.81	224.35	Rupees Two Hundred Twenty Four And Paise Thirty Five Only
13	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, lâbour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm	214.20	5136.48	Rupees Five Thousand One Hundred Thirty Six And Paise Forty Eight Only
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. Mix 1:2:4 (M15) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)	Cum	114.25	6838.04	Rupees Six Thousand Eight Hundred Thirty Eight And Paise Four Only
	Above 125%	Cum	155.61	6838.04	Rupees Six Thousand Eight Hundred Thirty Eight And Paise Four Only
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)	Nos	10694.17	517.01	Rupees Five Hundred Seventeen And Paise One Only
	Above 125%	Nos	5993.84	517.01	Rupees Five Hundred Seventeen And Paise One Only
16	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)	Sqm	1817.03	95.35	Rupees Ninety Five And Paise Thirty Five Only
	Above 125%	Sqm	133.53	95.35	Rupees Ninety Five And Paise Thirty Five Only
17	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (PWD SR 21-22 Vol II Pg no 64 Item No 9.31)	Cum	3568.69	1219.32	Rupees One Thousand Two Hundred Nineteen And Paise Thirty Two Only
	Above 125%	Cum	385.22	1219.32	Rupees One Thousand Two Hundred Nineteen And Paise Thirty Two Only

18	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. (PWD SR 21-22 Vol I Pg no 8 Item No 1.12)	Cum	820.00	72.91	Rupees Seventy Two And Paise Ninety One Only
19	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriageof mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading - V Material) (PWD SR 21-22 Vol III Pg no 19 Item No 4.1 A (v))	Cum	31.48	2632.69	Rupees Two Thousand Six Hundred Thirty Two And Paise Sixty Nine Only
20	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 (PWD SR 21-22 Vol III Pg no 24 Item No 4.27 (A))	Cum	471.40	2685.41	Rupees Two Thousand Six Hundred Eighty Five And Paise Forty One Only
21	Providing and applying primer coat with SST grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (PWD SR 21-22 Vol III Pg no 29 Item No 5.1 A (i))	Sqm	7831.61	49.36	Rupees Forty Nine And Paise Thirty Six Only
22	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.(V-III, P.No-29,I No-5.3(i) of PWD SR 2021-22).	Sqm	6744.99	13.46	Rupees Thirteen And Paise Forty Six Only
23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (PWD SR 21-22 Vol III Pg no 33 Item No 5.12	Cum	305.80	11092.74	Rupees Eleven Thousand Ninety Two And Paise Seventy Four Only
24	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (PWD SR 21-22 Vol III Pg no 36 Item No 5.16)	Cum	269.80	12934.61	Rupees Twelve Thousand Nine Hundred Thirty Four And Paise Sixty One Only
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803 (PWD SR 21-22 Vol III Pg no 57 Item No 8.15)	Sqm	228.37	536.18	Rupees Five Hundred Thirty Six And Paise Eighteen Only
26	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)	#REF!	12723.84	107.69	Rupees One Hundred Seven And Paise Sixty Nine Only
27	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (PWD SR 2021-22 Vol I Pg no 7 Item	Sqm	1046.14	450.93	Rupees Four Hundred Fifty And Paise Ninety Three Only

28	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601(PWD SR 2021-22 Vol -III P.No.43 -	Cum	82.84	4706.76	Rupees Four Thousand Seven Hundred Six And Paise Seventy Six Only
29	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (PWD SR 2021-22 Vol- III Pg 138 item no 20.20)	Cum	108.52	7669.23	Rupees Seven Thousand Six Hundred Sixty Nine And Paise Twenty Three Only
30	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)	Sqm	202.40	9324.59	Rupees Nine Thousand Three Hundred Twenty Four And Paise Fifty Nine Only
31	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. . (PWD SR 21-22 Vol II Pg no 65 Item No 9.40)	Cum	0.00	1277.64	Rupees One Thousand Two Hundred Seventy Seven And Paise Sixty Four Only
32	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner orSchlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. (P.151, I. 4,V-V) BWSSB.SR 2021-22	No's	4.00	5242.53	Rupees Five Thousand Two Hundred Forty Two And Paise Fifty Three Only

	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)(P.151, I. 1,V-V) BWSSB.SR 2021-22				Rupees Nil
33	0 to 50 m	Mts	200.00	295.73	Rupees Two Hundred Ninety Five And Paise Seventy Three Only
34	50 to 100 m	Mts	200.00	371.19	Rupees Three Hundred Seventy One And Paise Nineteen Only
35	100 to 150 m	Mts	200.00	394.64	Rupees Three Hundred Ninety Four And Paise Sixty Four Only
36	150 to 200 m	Mts	200.00	457.87	Rupees Four Hundred Fifty Seven And Paise Eighty Seven Only
37	200 to 250 m	Mts	200.00	537.41	Rupees Five Hundred Thirty Seven And Paise Forty One Only
38	250 to 300 m	Mts	198.00	569.02	Rupees Five Hundred Sixty Nine And Paise Two Only
39	300 to 350 m	Mts	150.00	632.25	Rupees Six Hundred Thirty Two And Paise Twenty Five Only
40	350 to 400 m	Mts	14.00	710.77	Rupees Seven Hundred Ten And Paise Seventy Seven Only
41	400 to 450 m	Mts	0.00	948.37	Rupees Nine Hundred Forty Eight And Paise Thirty Seven Only
42	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty (P.154, I.No 32,V-V) BWSSB.SR 2021-22	Rmtr	123.00	1971.18	Rupees One Thousand Nine Hundred Seventy One And Paise Eighteen Only
43	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm (P. No.162, I. No. 33.1 BWSSB SR 2021-22)	Each	162.00	3421.26	Rupees Three Thousand Four Hundred Twenty One And Paise Twenty Six Only
44	PVC pipe - OD 250mm and 6 Kg/sqcm P.34, SI.No.1175,BWSSB.SR 2021-22	Rmtr	0.00	1121.73	Rupees One Thousand One Hundred Twenty One And Paise Seventy Three Only
45	Supplying and drawing 3 core flat PVC sheathed submersiblepump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powdercoating extruded PVC sheathed suitable for working voltageupto 1100 V as per IS-694:2010. 3C x 6 mm2 P. No. 4/ I No. 2.6.4 KPWD Electrical SR 2021-22	Mtr	2006.00	246.78	Rupees Two Hundred Forty Six And Paise Seventy Eight Only
46	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00"(P. No.161, I. No. 18.6, BWSSB SR 2021-22)	Nos	4.00	70625.85	Rupees Seventy Thousand Six Hundred Twenty Five And Paise Eighty Five Only

47	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (P. No.164, I. No. 45, BWSSB SR 2021-22)	job	4.00	3824.06	Rupees Three Thousand Eight Hundred Twenty Four And Paise Six Only
48	Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20" x 20" x 2.5" (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	4.00	321.22	Rupees Three Hundred Twenty One And Paise Twenty Two Only
49	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2019-20	Mtr	47.00	152.96	Rupees One Hundred Fifty Two And Paise Ninety Six Only
50	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019-20	Mtr	123.00	12.11	Rupees Twelve And Paise Eleven Only
51	Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)	Each	4.00	379.35	Rupees Three Hundred Seventy Nine And Paise Thirty Five Only
52	Supplying & fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50-63 A TPN (P No. 13 I.No.5.17.9,Part-I Electrical SR 2021-22)	Each	4.00	2446.38	Rupees Two Thousand Four Hundred Forty Six And Paise Thirty Eight Only
53	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22)	#REF!	314.70	341.00	Rupees Three Hundred Forty One Only
54	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. (P.No-7,I No-1.11,V-I of PWD SR 2021-22)	#REF!	0.00	2442.00	Rupees Two Thousand Four Hundred Forty Two Only
55	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc.63mm outer dia, 6kg/sqcm & class 3 for:(P. No.134 I No 1.4 BWSSB SR 2021-22)	Mtr	538.00	156.02	Rupees One Hundred Fifty Six And Paise Two Only
56	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications P. No. 7, I No. 1.10,V-I PWD SR 2021-22	Cum	192.92	136.85	Rupees One Hundred Thirty Six And Paise Eighty Five Only
57	Supplying fully automatic star-delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP (P No. 10 I.No.5.2.2,Part-I Electrical SR 2021-22)	Nos	4.00	8810.64	Rupees Eight Thousand Eight Hundred Ten And Paise Sixty Four Only

58	BESCOM Deposit Charges	#REF!	0.00	14276.50	Rupees Fourteen Thousand Two Hundred Seventy Six And Paise Fifty Only
59	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (SR, 2021-22 Vol-1, SI No 1.6, , P No: 32)	Cum	347.00	527.21	Rupees Five Hundred Twenty Seven And Paise Twenty One Only
60	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately -Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates -Ground Floor (SR, 2021-22 Vol-1, SI No 2.1.4 , P No: 15)	Cum	7.25	6647.34	Rupees Six Thousand Six Hundred Forty Seven And Paise Thirty Four Only
61	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Footing & Plinth Beam (SR, 2021-22 Vol-1, SI No 2.3.2 , P No: 16)	Cum	7.25	7617.68	Rupees Seven Thousand Six Hundred Seventeen And Paise Sixty Eight Only
62	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Column (SR, 2021-22 Vol-1, SI No 2.3.2 , P No: 16)	Cum	0.00	7758.75	Rupees Seven Thousand Seven Hundred Fifty Eight And Paise Seventy Five Only
63	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Lintel, Roof Beam and Slab (SR, 2021-22 Vol-1, SI No 2.3.2 , P No: 16)	Cum	22.60	8464.09	Rupees Eight Thousand Four Hundred Sixty Four And Paise Nine Only
64	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)	Ton	4.96	115906.72	Rupees One Lakh(s) Fifteen Thousand Nine Hundred Six And Paise Seventy Two Only

65	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications (SR, 2021-22 Vol-2, SI No 6.32 , P No: 17)	Sqm	0.00	1348.31	Rupees One Thousand Three Hundred Forty Eight And Paise Thirty One Only
66	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge -Ground Floor (SR, 2021-22 Vol-2, SI No 8.6.1 , P No:42)	Sqm	176.90	316.33	Rupees Three Hundred Sixteen And Paise Thirty Three Only
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(SR, 2021-22 Vol-2, SI No 8.8 , P No:42)	Sqm	285.77	351.10	Rupees Three Hundred Fifty One And Paise Ten Only
68	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete.Size of Tile 500x500 mm.(SR, 2021-22 Vol-2, SI No 9.17.1 , P No:61)	Sqm	67.57	1310.58	Rupees One Thousand Three Hundred Ten And Paise Fifty Eight Only
69	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (SR, 2021-22 Vol-2, SI No 9.39 , P No:65)	Sqm	5.73	2327.58	Rupees Two Thousand Three Hundred Twenty Seven And Paise Fifty Eight Only
70	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (SR, 2021-22 Vol-2, SI No 11.61 , P No:76)	Sqm	11.34	2815.53	Rupees Two Thousand Eight Hundred Fifteen And Paise Fifty Three Only
71	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (SR, 2021-22 Vol-2, SI No 8.25 , P No:45)	Sqm	261.05	117.78	Rupees One Hundred Seventeen And Paise Seventy Eight Only
72	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (SR, 2018-19, I No. 15.53.1 , P No:120)	Sqm	283.43	98.02	Rupees Ninety Eight And Paise Two Only
73	KSRB 7.9: Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12 (P.No:34 Items No:7.9 of PWD SR 2018-19)	kgs	0.00	104.63	Rupees One Hundred Four And Paise Sixty Three Only

74	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 32mm nominal OD pipes PWD SR 2018-19 It No.13.77 Pg No 96	Rmt	108.00	142.07	Rupees One Hundred Forty Two And Paise Seven Only
75	1.Raw Water pump Qty officer-one number type Mon Block centrifugal operation flow rate -4M3hr operation pressure.4.0kg/cm2 type of drive- phase squirred cage induction motor make-CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere-one number Type -Top and bottom flow size-15"x65" operation floe rate-4M3/hr Operation pressure-4.0kg/cm2 Type of Modia-Dual-Sand and anthracite Supporting media-Gravels and Silex MOC of shell-FRP Make PARTNER/Aventura 3.Activated Carbon filter (ACF)Qty Offere -one Number Type Top and bottom flow size 16"x65" operation flow rate-4M3/hr operation pressure-3.5kg/cm2 type of Media Activated carbon flakes Type of resin-150kgs MOC of shell-FRP make PARTNER/Aventura JODINE VALUE-500value 4.Micro Cartridge Filter Nos 5.Antiscalent Dosing UntilQty Offere -one number 6.Multistage Centrifugal pumo high pressure pump Qty Offe-one nos Type-Multistage Centrifugal Operation flow rate-4M3/hr operation pressure-10 to 15kg/cm2 material of construction -SS 316 Make pump-Cri/Kirloskar/unique Type of drive motor-three phase,squired cage indicator KWRPM-2.75/2000(Approx) Make of motor crl/kirloskar 7.R.O Membrane skid consists of (SS 304) a.R.O Membrane b.pressure tubes number of streams offered one type of membrane-spiral wound TFC brackish water membrane-imported make HYDRONTICS/OE marlin 8040 operating pressure -10 to 15kg/cm2 material of construction polumade thin film composite material of housing-FRP 8.Mineral Dosing system (product water storage tank) Qty Required no-s material of construction-SS 304 Capacity-1000Ltrs 9.Micron	Each	3.00	1070737.50	Rupees Ten Lakh(s) Seventy Thousand Seven Hundred Thirty Seven And Paise Fifty Only
76	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws (ELE SR 2019-20 Page-2, Item-1.1.2)	mtr	84.00	66.28	Rupees Sixty Six And Paise Twenty Eight Only
77	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.(ELE SR 2019-20 Page-2, Item-1.2.2)	mtr	84.00	54.05	Rupees Fifty Four And Paise Five Only
78	Groove cutting in the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.(ELE SR 2019-20 Page-2, Item-1.3.2)	mtr	84.00	55.07	Rupees Fifty Five And Paise Seven Only
79	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,.(ELE SR 2019-20 Page-2, Item-1.4.5)	Each	9.00	113.19	Rupees One Hundred Thirteen And Paise Nineteen Only
80	supplying and fixing PVC/ Metal conduit accessories. (3/5) (ELE SR 2019-20 Page-3, Item-1.5.3)	Each	3.00	61.19	Rupees Sixty One And Paise Nineteen Only
81	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. (ELE SR 2019-20 Page-3, Item-1.6.1)	mtr	15.00	104.01	Rupees One Hundred Four And Paise One Only
82	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. (ELE SR 2019-20 Page-5, Item-2.1.2)	Each	18.00	280.43	Rupees Two Hundred Eighty And Paise Forty Three Only
83	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the existing metal/PVC box,ELE SR 2019-20 Page-9, Item-3.5.3)	No	15.00	178.46	Rupees One Hundred Seventy Eight And Paise Forty Six Only

84	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. ELE SR 2019-20 Page-10, Item-3.7)	Each	6.00	693.43	Rupees Six Hundred Ninety Three And Paise Forty Three Only
85	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm… Etc as required. ELE SR 2019-20 Page-3, Item-1.8.1)	mtr	45.00	20.90	Rupees Twenty And Paise Ninety Only
86	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm… Etc as required. ELE SR 2019-20 Page-3, Item-1.8.1)	Each	0.00	22.43	Rupees Twenty Two And Paise Forty Three Only
87	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely. ELE SR 2019-20 Page-3, Item-1.9.1)	Each	48.00	22.43	Rupees Twenty Two And Paise Forty Three Only
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. ELE SR 2019-20 Page-10, Item-3.10.2)	Each	48.00	11.22	Rupees Eleven And Paise Twenty Two Only
89	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of PWD SR 2018-19)	Rmt	0.00	258.81	Rupees Two Hundred Fifty Eight And Paise Eighty One Only
90	Earth work excavation for Foundation by mechanical means for all works & depth upto 1.5 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work.(Page no-10,Vol-1, Item No-1.17.1 of PWD SR 2021-22.)	Cum	232.30	217.61	Rupees Two Hundred Seventeen And Paise Sixty One Only
	Above 125%	Cum	48.54	217.61	Rupees Two Hundred Seventeen And Paise Sixty One Only
91	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Page no-9,Vol-2, Item No-5.4 of PWD SR 2021-22.).	Cum	0.00	6081.99	Rupees Six Thousand Eighty One And Paise Ninety Nine Only
92	Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (Page no-15, Item No-2.2.2.1 of PWD SR 2021-22).	Cum	26.21	7402.55	Rupees Seven Thousand Four Hundred Two And Paise Fifty Five Only
93	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (Page no-15,Vol-1, Item No-2.1.4 of PWD SR 2021-22.).	Cum	11.55	6647.34	Rupees Six Thousand Six Hundred Forty Seven And Paise Thirty Four Only
	Above 125%	Cum	10.98	6647.34	Rupees Six Thousand Six Hundred Forty Seven And Paise Thirty Four Only

94	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-1,Vol-17, Item No-2.5.2 of PWD SR 2021-22).-Ground Floor Columns	Cum	4.32	8010.46	Rupees Eight Thousand Ten And Paise Forty Six Only
95	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).-Ground Floor Beams and Slab	Cum	24.13	8738.69	Rupees Eight Thousand Seven Hundred Thirty Eight And Paise Sixty Nine Only
96	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- First Floor Columns	Cum	4.36	8090.56	Rupees Eight Thousand Ninety And Paise Fifty Six Only
97	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- First Floor Beams and Slab	Cum	23.94	8826.07	Rupees Eight Thousand Eight Hundred Twenty Six And Paise Seven Only
98	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- Terrace Floor	Cum	0.71	8170.68	Rupees Eight Thousand One Hundred Seventy And Paise Sixty Eight Only

99	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- Terrace Floor	Cum	1.05	8913.46	Rupees Eight Thousand Nine Hundred Thirteen And Paise Forty Six Only
100	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)- Ground Floor	Sqm	154.19	1348.31	Rupees One Thousand Three Hundred Forty Eight And Paise Thirty One Only
101	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)- First Floor	Sqm	123.31	1360.57	Rupees One Thousand Three Hundred Sixty And Paise Fifty Seven Only
102	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)- Terrace Floor	Sqm	71.90	1372.83	Rupees One Thousand Three Hundred Seventy Two And Paise Eighty Three Only
103	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	91.02	283.80	Rupees Two Hundred Eighty Three And Paise Eighty Only
104	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	86.51	286.38	Rupees Two Hundred Eighty Six And Paise Thirty Eight Only
105	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	298.36	244.54	Rupees Two Hundred Forty Four And Paise Fifty Four Only
106	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	300.01	246.76	Rupees Two Hundred Forty Six And Paise Seventy Six Only
107	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)	Sqm	18.06	248.98	Rupees Two Hundred Forty Eight And Paise Ninety Eight Only
108	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- Ground Floor(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)	Sqm	125.85	426.26	Rupees Four Hundred Twenty Six And Paise Twenty Six Only

109	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- First Floor(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)	Sqm	129.63	430.13	Rupees Four Hundred Thirty And Paise Thirteen Only
110	Providing 20 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- Terrace Floor(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)	Sqm	125.73	434.01	Rupees Four Hundred Thirty Four And Paise One Only
111	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	220.99	93.10	Rupees Ninety Three And Paise Ten Only
112	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	245.43	93.95	Rupees Ninety Three And Paise Ninety Five Only
113	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)	Sqm	18.06	94.80	Rupees Ninety Four And Paise Eighty Only
114	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -Ground Floor	Sqm	340.15	117.78	Rupees One Hundred Seventeen And Paise Seventy Eight Only
115	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -First Floor	Sqm	300.01	118.85	Rupees One Hundred Eighteen And Paise Eighty Five Only
116	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -Terrace Floor	Sqm	18.06	119.92	Rupees One Hundred Nineteen And Paise Ninety Two Only
117	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-Ground Floor	Sqm	138.44	152.55	Rupees One Hundred Fifty Two And Paise Fifty Five Only
118	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m^2 over and including priming coat of exterior primer applied @ 2.20 kg/10 m^2) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-First Floor	Sqm	142.59	153.94	Rupees One Hundred Fifty Three And Paise Ninety Four Only

119	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-Terrace Floor	Sqm	125.73	155.33	Rupees One Hundred Fifty Five And Paise Thirty Three Only
120	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(Ground Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)	Sqm	69.31	3231.69	Rupees Three Thousand Two Hundred Thirty One And Paise Sixty Nine Only
121	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(First Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)	Sqm	69.71	3261.07	Rupees Three Thousand Two Hundred Sixty One And Paise Seven Only
122	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(Terrace Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)	Sqm	0.00	3290.45	Rupees Three Thousand Two Hundred Ninety And Paise Forty Five Only
123	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Item No 14.51, Page no 110 of PWD SR 2018-19)	Sqm	14.51	4998.41	Rupees Four Thousand Nine Hundred Ninety Eight And Paise Forty One Only
124	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Item No 14.51, Page no 110 of PWD SR 2018-19)	Sqm	10.88	5043.85	Rupees Five Thousand Forty Three And Paise Eighty Five Only
125	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - Ground Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)	Sqm	0.00	3447.06	Rupees Three Thousand Four Hundred Forty Seven And Paise Six Only

126	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - First Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)	Sqm	0.00	3478.40	Rupees Three Thousand Four Hundred Seventy Eight And Paise Forty Only
127	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete..(Item No 9.11, Page no 60 of PWD SR 2021-22)	Sqm	11.46	867.09	Rupees Eight Hundred Sixty Seven And Paise Nine Only
128	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Item No 9.39, Page no 65 of PWD SR 2021-22)	Sqm	44.17	2327.58	Rupees Two Thousand Three Hundred Twenty Seven And Paise Fifty Eight Only
129	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22)	Sqm	8.16	835.69	Rupees Eight Hundred Thirty Five And Paise Sixty Nine Only
130	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22)	Sqm	87.78	850.88	Rupees Eight Hundred Fifty And Paise Eighty Eight Only
131	KSRB10-3 :Providing and laying integral cement based water proofing treatment including preparation of surfa ce as required for treatment of roofs, balconies, terrace s etc., consisting of following application.(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confor ming to IS:2645 over the RCCslab after cleaning the surfa ce before treatment. (b) Laying cement concrete using broken brick bats 25mm to100 mm size with 50% of ceme nt mortar 1:5 admixed with proprietary water proofing compound conforming IS: 2645 over 20mm thick layer of cement mortar1:5 adm ixed with proprietary water proofing compound to requir ed slope and treating similarly the adjo ining walls upto 300mm height including rounding off juncti ons of walls and slabs.(c)After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound. (d)Finishing the surface with20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the sur face with trowel and neat cement slurry and making of 300x300mm square. (e)The whole terrace so finished shall be flooded with waterfor a minimum period of two weeks forcuring and for final test -including cost of materials,labour complete asper specifications.- Terrace floor (P.68/I.10.2PW,P&IWTD,BENGALURUCIRC LE-SR 2018 -19)	Sqm	76.70	1135.27	Rupees One Thousand One Hundred Thirty Five And Paise Twenty Seven Only

132	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)	Cum	0.66	82962.78	Rupees Eighty Two Thousand Nine Hundred Sixty Two And Paise Seventy Eight Only
133	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)	Sqm	0.45	83716.99	Rupees Eighty Three Thousand Seven Hundred Sixteen And Paise Ninety Nine Only
134	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Vol-2, Page no 106 of PWD SR 2021-22)	Sqm	4.41	2959.11	Rupees Two Thousand Nine Hundred Fifty Nine And Paise Eleven Only
135	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Vol-2, Page no 106 of PWD SR 2021-22)	Sqm	4.41	2986.01	Rupees Two Thousand Nine Hundred Eighty Six And Paise One Only
136	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)	Sqm	10.08	8121.29	Rupees Eight Thousand One Hundred Twenty One And Paise Twenty Nine Only
137	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size - 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)	Sqm	12.42	8195.12	Rupees Eight Thousand One Hundred Ninety Five And Paise Twelve Only
138	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge (Page no-45, Item No-7.37 of PWD SR 2018-19) -Ground Floor	Sqm	4.32	3378.64	Rupees Three Thousand Three Hundred Seventy Eight And Paise Sixty Four Only

139	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge (Page no-45, Item No-7.37 of PWD SR 2018-19) -First Floor	Sqm	0.00	3409.35	Rupees Three Thousand Four Hundred Nine And Paise Thirty Five Only
140	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) -Ground Floor	Kgs	430.20	146.95	Rupees One Hundred Forty Six And Paise Ninety Five Only
141	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) - First Floor	Kgs	310.50	148.28	Rupees One Hundred Forty Eight And Paise Twenty Eight Only
142	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)	Sqm	14.87	6022.54	Rupees Six Thousand Twenty Two And Paise Fifty Four Only
143	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)	Sqm	14.87	6077.29	Rupees Six Thousand Seventy Seven And Paise Twenty Nine Only
144	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. (Item No 11.28, Page no 83 of PWD SR 2018-19)	KGS	89.70	560.86	Rupees Five Hundred Sixty And Paise Eighty Six Only
145	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. (Item No 11.28, Page no 83 of PWD SR 2018-19)	KG	78.00	560.96	Rupees Five Hundred Sixty And Paise Ninety Six Only

146	Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge (Item No 15.6, Vol-2, Page no 134 of PWD SR 2021-22)	Sqm	34.63	515.02	Rupees Five Hundred Fifteen And Paise Two Only
147	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).	KG	6635.93	98.71	Rupees Ninety Eight And Paise Seventy One Only
148	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).	KG	4341.46	99.61	Rupees Ninety Nine And Paise Sixty One Only
149	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).	KG	242.92	100.51	Rupees One Hundred And Paise Fifty One Only
150	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required (Page no-84, Vol-2, Item No-14.3.1 of PWD SR 2021-22).	Nos	2.00	5614.23	Rupees Five Thousand Six Hundred Fourteen And Paise Twenty Three Only
151	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern (Item No 14.5.2, Page no 122 of PWD SR 2021-22)	Nos	3.00	12890.86	Rupees Twelve Thousand Eight Hundred Ninety And Paise Eighty Six Only
152	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer(Item No 14.7A, Vol-2, Page no 125 of PWD SR 2021-22)	Nos	3.00	4037.09	Rupees Four Thousand Thirty Seven And Paise Nine Only
153	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid (Item No 14.28.1.2, Page no 128 of PWD SR 2021-22)	Nos	3.00	241.17	Rupees Two Hundred Forty One And Paise Seventeen Only
154	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. (Item No 14.40.2,Vol-2, Page no 130 of PWD SR 2021-22)	Nos	3.00	426.26	Rupees Four Hundred Twenty Six And Paise Twenty Six Only
155	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.(Item No 14.32.3, Page no 128 of PWD SR 2021-22)	Nos	3.00	974.78	Rupees Nine Hundred Seventy Four And Paise Seventy Eight Only

156	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. -do - 110 mm dia complete as per specifications and directions of the Engineer in charge. (Item No 13.73.5, Page no 96 of PWD SR 2018-19)	Nos	110.00	667.43	Rupees Six Hundred Sixty Seven And Paise Forty Three Only
157	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19)	Mtr	25.00	328.67	Rupees Three Hundred Twenty Eight And Paise Sixty Seven Only
158	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19) - First Floor .	Mtr	30.00	331.65	Rupees Three Hundred Thirty One And Paise Sixty Five Only
159	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19) - Terrace Floor	Mtr	20.00	334.64	Rupees Three Hundred Thirty Four And Paise Sixty Four Only
160	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications and directions of the Engineer in charge. (Item No 13.86.2, Page no 99 of PWD SR 2018-19)	Mtr	20.00	263.61	Rupees Two Hundred Sixty Three And Paise Sixty One Only
161	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and directions of the Engineer in charge.(Item No 11.50.2, Page no 75 of PWD SR 2018-19)	Nos	4.00	9523.45	Rupees Nine Thousand Five Hundred Twenty Three And Paise Forty Five Only

162	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per Specification and directions of the Engineer in charge. (Item No 13.78, Page no 96 of PWD SR 2018-19)	Nos	1.00	38295.69	Rupees Thirty Eight Thousand Two Hundred Ninety Five And Paise Sixty Nine Only
163	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.(Item No 13.2.2, Page no 115 of PWD SR 2020-21)	Nos	6.00	387.00	Rupees Three Hundred Eighty Seven Only
164	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge. (Item No 13.3.2, Page no 115 of PWD SR 2021-22)	Nos	4.00	387.00	Rupees Three Hundred Eighty Seven Only
165	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.and directions of the Engineer in charge. (Item No 13.4.1, Page no 115 of PWD SR 2020-21)	Nos	4.00	592.27	Rupees Five Hundred Ninety Two And Paise Twenty Seven Only
166	Providing and fixing CUBICLE WORKSTATIONS consisting of wings made out of 75 mm thick MS CRCA powder coated,tile based system for main and return spine, Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mm W) per workstation, Bottom tile finish 9 mm thick Laminate tile of approved colour, Raceway- one middle raceway (600mm W) below table top per workstation and continous raceway at the skirting level, Wire manager - ABS plastic grommet one number per table,Table top - 25 mm thick PLPB with straight table top End Table 25 mm thick PLPB with straightedge bound Hardware-MS powder coated corner bkt, cantilever bkt, separator hook on bkt, L bkt and Table joint plate., as per specifications, drawings and as directed by Engineer in charge. X TYPE 4 wings. 3 A) Size : 1500 mmW x 1200mm D x 1200 mm ht. complete as per specifications and directions of the Engineer in charge . (Item No 39.16.1, Page no 333 of PWD SR 2018-19)	Nos	2.00	56086.25	Rupees Fifty Six Thousand Eighty Six And Paise Twenty Five Only
167	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.complete as per specifications and directions of the Engineer in charge . (Item No 39.17.1, Page no 334 of PWD SR 2018-19)	Nos	2.00	13415.83	Rupees Thirteen Thousand Four Hundred Fifteen And Paise Eighty Three Only
168	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)	Sqm	42.85	6132.04	Rupees Six Thousand One Hundred Thirty Two And Paise Four Only
169	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22)	Sqm	45.40	145.82	Rupees One Hundred Forty Five And Paise Eighty Two Only

170	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22) - First Floor	Sqm	29.34	147.15	Rupees One Hundred Forty Seven And Paise Fifteen Only
171	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22) - Terrace Floor	Sqm	0.00	148.48	Rupees One Hundred Forty Eight And Paise Forty Eight Only
172	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .19/20mm	M	150.00	40.79	Rupees Forty And Paise Seventy Nine Only
173	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .25mm	M	50.00	54.05	Rupees Fifty Four And Paise Five Only
174	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as per specifications.and directions of the Engineer in charge	M	40.00	93.82	Rupees Ninety Three And Paise Eighty Two Only
175	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	80.00	40.79	Rupees Forty And Paise Seventy Nine Only
176	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 32mm dia, 2mm thick complete as per specifications.and directions of the Engineer in charge.	M	20.00	54.05	Rupees Fifty Four And Paise Five Only
177	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 19/20mm deep junction box	Nos	20.00	43.85	Rupees Forty Three And Paise Eighty Five Only
178	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 25 mm deep junction box	Nos	15.00	47.93	Rupees Forty Seven And Paise Ninety Three Only
179	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge 32mm deep junction box	Nos	10.00	61.19	Rupees Sixty One And Paise Nineteen Only
180	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 1 to 2 way	Nos	5.00	33.65	Rupees Thirty Three And Paise Sixty Five Only
181	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge 3 to 4 way	Nos	5.00	40.79	Rupees Forty And Paise Seventy Nine Only

182	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge	Nos	150.00	21.40	Rupees Twenty One And Paise Forty Only
183	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge	Nos	5.00	34.67	Rupees Thirty Four And Paise Sixty Seven Only
184	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point upto 3Mtrs from tapping point to out let via switch	Nos	8.00	203.95	Rupees Two Hundred Three And Paise Ninety Five Only
185	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above 3Mtrs upto 6Mtr from Tapping point to out let via switch	Nos	8.00	275.00	Rupees Two Hundred Seventy Five Only
186	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A 1 sqmm complete as per specifications and directions of the Engineer in charge	M	125.00	14.28	Rupees Fourteen And Paise Twenty Eight Only
	Above 125%	M	325.00	14.28	Rupees Fourteen And Paise Twenty Eight Only
187	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	32.63	Rupees Thirty Two And Paise Sixty Three Only
188	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4 sqmm complete as per specifications.and directions of the Engineer in charge.	M	80.00	45.89	Rupees Forty Five And Paise Eighty Nine Only
189	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 6 sqmm complete as per specifications.and directions of the Engineer in charge.	M	60.00	71.38	Rupees Seventy One And Paise Thirty Eight Only
190	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 1 to 3 module	Nos	15.00	112.17	Rupees One Hundred Twelve And Paise Seventeen Only
191	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 4 module	Nos	12.00	127.47	Rupees One Hundred Twenty Seven And Paise Forty Seven Only
192	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge 6 module	Nos	10.00	178.46	Rupees One Hundred Seventy Eight And Paise Forty Six Only
193	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in charge a) Electronic Ballast suitable for T5 Lamp 1x24 Watt	Nos	12.00	520.07	Rupees Five Hundred Twenty And Paise Seven Only

194	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. complete as per specifications and directions of the Engineer in charge 50-63 Amps SP	Nos	3.00	737.20	Rupees Seven Hundred Thirty Seven And Paise Twenty Only
195	LED Drivers suitable for 5700K LED fitting Outdoor Fixtures 240W 5700K suitable for outdoor LED fitting complete as per specifications and directions of the Engineer in charge	Nos	4.00	7716.45	Rupees Seven Thousand Seven Hundred Sixteen And Paise Forty Five Only
196	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. complete as per specifications and directions of the Engineer in charge	Sqcm	200.00	0.28	Rupees And Paise Twenty Eight Only
197	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications.and directions of the Engineer in charge.	Nos	8.00	2131.00	Rupees Two Thousand One Hundred Thirty One Only
198	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator	Nos	8.00	290.00	Rupees Two Hundred Ninety Only
199	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket	Nos	4.00	80.55	Rupees Eighty And Paise Fifty Five Only
200	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet	Nos	5.00	198.70	Rupees One Hundred Ninety Eight And Paise Seventy Only
201	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge	Nos	4.00	152.90	Rupees One Hundred Fifty Two And Paise Ninety Only
202	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(lcu = lcs) . complete as per specifications and directions of the Engineer in charge 100Amps 25kA.	Nos	2.00	4619.47	Rupees Four Thousand Six Hundred Nineteen And Paise Forty Seven Only
203	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(lcu = lcs) . complete as per specifications and directions of the Engineer in charge 250Amps 35kA.	Nos	1.00	15653.16	Rupees Fifteen Thousand Six Hundred Fifty Three And Paise Sixteen Only
204	Supplying, fixing wiring earth electrode for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia. complete as per specifications and directions of the Engineer in charge	Nos	2.00	3058.94	Rupees Three Thousand Fifty Eight And Paise Ninety Four Only
205	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with confirming to the attached GTP of GROUP-A. (62/7.4) 4 core 16 sqmm complete as per specifications.and directions of the Engineer in charge.	M	20.00	152.90	Rupees One Hundred Fifty Two And Paise Ninety Only
206	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications.and directions of the Engineer in charge. 6sqmm to 16 sqmm	M	20.00	12.10	Rupees Twelve And Paise Ten Only
207	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications.and directions of the Engineer in charge 40 mm	Nos	0.00	341.60	Rupees Three Hundred Forty One And Paise Sixty Only

208	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications.and directions of the Engineer in charge 16 Sqmm	Nos	1.00	275.30	Rupees Two Hundred Seventy Five And Paise Thirty Only
209	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc.complete as per specifications.and directions of the Engineer in charge 32 Amps	Nos	6.00	177.40	Rupees One Hundred Seventy Seven And Paise Forty Only
210	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete as per specifications.and directions of the Engineer in charge . Single Door b) 8 way SP&N	Nos	2.00	978.90	Rupees Nine Hundred Seventy Eight And Paise Ninety Only
211	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete complete as per specifications.and directions of the Engineer in charge 12" Sweep (300mm)	Nos	3.00	2141.00	Rupees Two Thousand One Hundred Forty One Only
212	Supplying and drawing UTP-CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge	M	10.00	29.55	Rupees Twenty Nine And Paise Fifty Five Only
213	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable omplete as per specifications.and directions of the Engineer in charge 2 pairs	M	15.00	14.76	Rupees Fourteen And Paise Seventy Six Only
214	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed) complete as per specifications.and directions of the Engineer in charge	Nos	1.00	6760.60	Rupees Six Thousand Seven Hundred Sixty And Paise Sixty Only
215	Earthing: supplying and fixing and wiring earth electrode for grounding circuits IC cut outs and other equipment on the meter board in the pit the pits should be filled in with a equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the GI wire of size as per the clause 1, 3.3 of IS 732 using 12 mm bolts nuts washers and check nuts complete (copy enclosed) complete as per specifications.and directions of the Engineer in charge	Nos	1.00	1529.30	Rupees One Thousand Five Hundred Twenty Nine And Paise Thirty Only
216	Providing & Installing Pumping Machinery1.50 HP 10.00 Stage with accessiories.	Nos	1.00	14565.30	Rupees Fourteen Thousand Five Hundred Sixty Five And Paise Thirty Only
	EIRL				Rupees Nil
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Volume-2 Pg- 17 Item No6.33PWD SR 21-22	Sqm	179.12	1173.70	Rupees One Thousand One Hundred Seventy Three And Paise Seventy Only
E2	UPVC Windows Providing & fixing of2-track x 2-panel sliding windowssliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour Volume-2 Pg- A34 Item No-720 PWD SR 21-22	Sqm	8.10	5593.50	Rupees Five Thousand Five Hundred Ninety Three And Paise Fifty Only
E3	PVC pipe - OD 315mm and 6 Kg/sqcm	Mtr	66.00	1738.59	Rupees One Thousand Seven Hundred Thirty Eight And Paise Fifty Nine Only
E4	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge and as per the directions of the Engineer-in-charge of the work	Each	4.00	183.95	Rupees One Hundred Eighty Three And Paise Ninety Five Only
E5	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any and as per the directions of the Engineer-in-charge of the work	Each	12.00	245.65	Rupees Two Hundred Forty Five And Paise Sixty Five Only

E6	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for and as per the directions of the Engineer-in-charge of the work	Each	12.00	196.29	Rupees One Hundred Ninety Six And Paise Twenty Nine Only
E7	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions and as per the directions of the Engineer-in-charge of the work	Job	4.00	1514.25	Rupees One Thousand Five Hundred Fourteen And Paise Twenty Five Only
E8	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces and as per the directions of the Engineer-in-charge of the work	Mtr	47.00	412.98	Rupees Four Hundred Twelve And Paise Ninety Eight Only
E9	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia and as per the directions of the Engineer-in-charge of the work	Job	4.00	4206.26	Rupees Four Thousand Two Hundred Six And Paise Twenty Six Only
E10	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	4.00	1402.09	Rupees One Thousand Four Hundred Two And Paise Nine Only
E11	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest-amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work	Each	4.00	1430.13	Rupees One Thousand Four Hundred Thirty And Paise Thirteen Only

Executive Engineer
Yelahanka Division

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